

CLAIMS

What is claimed is:

- 1 1. A method of computing comprising:
2 analyzing a data processing specification having a plurality data processing
3 cell specifications with each data processing cell specification containing a formula
4 specifying an action or computation;
5 determining execution order of said actions/computations specified by said
6 data processing cell specifications; and
7 effectuating the data processing specified by the data processing
8 specification in accordance with the determined execution order of said
9 actions/computations specified by said data processing cell specifications.
- 1 2. The method of claim 1, wherein each of said data processing cell
2 specifications is delineated by a beginning and an ending data processing cell
3 specification tag.
- 1 3. The method of claim 1, wherein said data processing cell specifications
2 comprise a first and a second data processing cell specification with the second cell
3 data processing specification having a formula referencing a value of said first data
4 processing cell specification.
- 1 4. The method of claim 1, wherein one or more of said data processing cell
2 specifications comprise one or more attribute specifications specifying one or more
3 attributes of the data processing cell specifications.

1 5. The method of claim 4, wherein said data processing cell specifications
2 comprise a first and a second data processing cell specification with the second cell
3 data processing specification having an attribute referencing said first data
4 processing cell specification.

1 6. The method of claim 1, wherein a first of said data processing cell
2 specification comprises a reserved mnemonic for providing input to the data
3 processing specified by the data processing specification.

1 7. The method of claim 1, wherein a first of said data processing cell
2 specification is a reserved output cell specification specifying output of the data
3 processing specified by the data processing specification.

1 8. The method of claim 1, wherein a first of said data processing cell
2 specification comprises a conditionally executed formula.

1 9. The method of claim 1, wherein said data processing specification further
2 includes one or more global attributes specifying one or more global processing
3 characteristics for the specified data processing.

1 10. The method of claim 9, wherein said one or more global attributes include a
2 global attribute specifying a format for providing the specified data processing with
3 an HTTP request.

1 11. An apparatus comprising:

2 at least one storage unit having stored thereon programming instructions
3 designed to
4 analyze a data processing specification having a plurality data
5 processing cell specifications with each data processing cell specification
6 containing a formula specifying an action or computation,
7 determine execution order of said actions/computations specified by
8 said data processing cell specifications, and
9 effectuate the data processing specified by the data processing
10 specification in accordance with the determined execution order of said
11 actions/computations specified by said data processing cell specifications;
12 and
13 at least one processor coupled to said at least one storage unit to execute
14 said programming instructions.

1 12. The apparatus of claim 11, wherein the programming instructions are
2 designed to recognize delineation of each of said data processing cell specifications
3 by a beginning and an ending data processing cell specification tag.

1 13. The apparatus of claim 11, wherein said programming instructions are
2 designed to support a first of said data processing cell specifications having a
3 formula referencing a value of a second of said data processing cell specifications.

1 14. The apparatus of claim 11, wherein said programming instructions are
2 designed to support one or more of said data processing cell specifications having
3 one or more attribute specifications specifying one or more attributes of the data
4 processing cell specifications.

1 15. The apparatus of claim 14, wherein said programming instructions are
2 designed to support said data processing cell specifications having a first and a
3 second data processing cell specification with the second cell data processing
4 specification having an attribute referencing said first data processing cell
5 specification.

1 16. The apparatus of claim 11, wherein said programming instructions are
2 designed to support a first of said data processing cell specification having a
3 reserved mnemonic for facilitating provision of input to the data processing specified
4 by the data processing specification.

1 17. The apparatus of claim 11, wherein said programming instructions are
2 designed to support a first of said data processing cell specification being a
3 reserved output cell specification specifying output of the data processing specified
4 by the data processing specification.

1 18. The apparatus of claim 11, wherein said programming instructions are
2 designed to support a first of said data processing cell specification having a
3 conditionally executed formula.

1 19. The apparatus of claim 11, wherein said programming instructions are
2 designed to support said data processing specification having one or more global
3 attributes specifying one or more global processing characteristics for the specified
4 data processing.

1 20. The apparatus of claim 19, wherein said programming instructions are
2 designed to support one of said one or more of global attributes being a global
3 attribute specifying a format for providing the specified data processing with an
4 HTTP request.

1 21. An apparatus comprising:

2 means for analyzing a data processing specification having a plurality
3 data processing cell specifications with each data processing cell
4 specification containing a formula specifying an action or computation;

5 means for determining execution order of said actions/computations
6 specified by said data processing cell specifications; and

7 means for effectuating the data processing specified by the data
8 processing specification in accordance with the determined execution order
9 of said actions/computations specified by said data processing cell
10 specifications.

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